STAR-K KOSHER CERTIFICATION ועד הכשרות דבאלטימאר

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Brochos Breakfast

RABBI DOVID HEBER STAR-K KASHRUS ADMINISTRATOR

One of the profound aspects of our *Torah Hakdosha* is the ability for anyone, regardless of age or wisdom, to appreciate the *Torah* on his or her own level. For example, the *posuk "B'reishis Barah Elokim*" is studied by the greatest *Torah* scholars, as well as first grade children. This concept is also applicable to *Hilchos Brochos*. To a first grader studying for a *Brochos* Bee, or a Talmudic scholar studying *Perek Kaitzad Mevorchim* in *Masechta Brochos*, learning about *brochos* can be fascinating.

A daily and extremely relevant application of this principle lies in the area of *brochos* on breakfast cereals. What makes determining the correct *brochos* for these products so complicated? Technological advances in food manufacturing have had a great impact on *Hilchos Brochos*. A slight difference in production, or even in the manufacturer's intention of the use of ingredients, can change the *brocha*. As will be explained, cereals such as puffed wheat or corn flakes produced by different companies may look the same to the consumer. However, they may be manufactured differently, thereby changing the *brocha* recited. Often, this background information is not available to the consumer; hence, the confusion and intrigue in discovering what goes on "behind the scenes" and its impact on *Hilchos Brochos*.

To ensure the highest Kashrus standards, Star-K Kosher Certification inspects many food plants throughout the world. By doing this, the Star-K has the opportunity to either see or discuss manufacturing procedures that have a direct impact on the *brochos* of various food items. The following information is what has been obtained by *Kashrus* professionals or heard from company personnel and then presented to the Star-K Rabbinic Administrator, Rabbi Moshe Heinemann, *shlita*, for his *Halachic* insights and *psak halacha*.

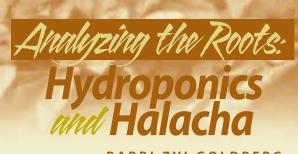
I. Chameishes Minei Dagan Cereals

Special *halachic* status has been given to products coming from *chameishes minei dagan*, the five special grains: wheat, spelt, barley, oats, and rye.¹ When these grains are ground up, mixed with water, and baked into cake, cookies, crackers and other *pas haba'ah b'kisnin* products, the *brocha* is *Mezonos* and the *brocha achrona* is *Al Hamichya*. If one is *koveya seudah* (eats enough to constitute a meal), the *brocha* is *Hamotzi* and one must recite *Birchas Hamazon*.² One of the definitions of *pas haba'ah b'kisnin* is that the dough is baked into a hardened crispy product. Products such as pretzels and Post Grape Nuts cereal³ are included in this category of *pas haba'ah b'kisnin*, and their *brocha* is *Mezonos*, and the *brocha achrona* is *Al* Hamichya.

In the above cases, the *chameishes minei dagan* is broken down. However, if the grains remain whole and are simply roasted, they are no different from any other variety of produce which grows from the ground (e.g., corn), and the *brocha* is *Hoadama*.⁴ What this means is as follows: The *brocha* on unprocessed and slightly processed (e.g., toasted whole) wheat or oats is *Hoadama*. The *brocha* on fully

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RABBI ZVI GOLDBERG STAR-K KASHRUS ADMINISTRATOR

The AeroGarden is a unique hydroponic system, enabling home-growing of vegetables. (See sidebar on page 3). The entrance of this system into the marketplace presents an opportunity to discuss the history and *halachos* of hydroponics.

According to some accounts, the Hanging Gardens of Babylon were hydroponically grown. The gardens hung strikingly from palace terraces and were considered one of the Seven Wonders of the World. The gardens were supposedly constructed by *Nevuchadnetzar* around 600 BCE in present-day Iraq, about 30 miles south of Baghdad.¹ However, there is a lively discussion among historians as to who built the gardens, how they were planted, and indeed whether these gardens existed at all. The *Talmud* (*Avoda Zara* 38b) itself discusses the hydroponic sprouting of seeds, in what seems to have been a fairly common practice.

More recently, in the 1930's, Dr. William Gericke of the University of California conducted research with hydroponics. He coined the term "hydroponics", derived from the Greek words, *hydro* (water) and *ponos* (labor), or "water-working." Put simply, it means growing plants in a nutrient solution without soil. The science of hydroponics proved that soil is merely the holder of the nutrients, the place where the plant roots traditionally live and a base of support for the plant structure. Soil isn't required for plant growth. The elements, minerals and nutrients that soil contains

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Anulyzing the Roots: Hydroponics&Halacha

RABBI ZVI GOLDBERG

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such as carbon, nitrogen, phosphorus, potassium and magnesium can be supplied in liquid solutions. Plants are supported by porous material, such as sand, gravel, foam or glass wool that acts as a wick in relaying the nutrient solution from its source to the roots.

In 1945, the United States Air Force built one of the first large hydroponic farms on Ascension Island, a barren island in the South Atlantic, followed by additional farms on Iwo Jima and Okinawa in the Pacific. These hydroponic farms helped to supply fresh vegetables to troops stationed in these areas. Over the past few decades, researchers in Israel have been at the forefront of hydroponic study.²

Presently, the most common hydroponic crop grown in the United States is tomatoes, followed by cucumbers, lettuce, herbs, and peppers. In addition, every day many hydroponic vegetables are brought in from Canada, Mexico and Europe.

Now let's discuss the various halachos which are applicable to the AeroGarden, and to hydroponics in general.

Brocha

The brocha on hydroponically grown vegetables is Shehakol.3 The brocha of Hoadama is applicable only to vegetables which actually grow from the adama, the earth.4 As noted above, many commercially sold tomatoes are grown hydroponically. Still, unless one knows definitively that the produce was grown hydroponically, one should assume it was earth-grown and recite Hoadama.5 It is important to note that Israeli exported greenhouse grown romaine lettuce (Alei Katif brand) is not grown hydroponically. The brocha on these vegetables is Hoadama.

Insects

Star-K's certification of the AeroGarden is essentially a statement that the system is an appropriate method of controlling insects in produce. Plants grown under controlled conditions indoors are generally free from insects which are commonly found in outdoor grown plants.6 However, we cannot guarantee that vegetables grown with the kit will be insect-free. Insects which commonly thrive indoors may find their way onto the vegetables. In addition, in rare cases, insects could possibly land on the plants by entering the home on clothes or other vegetables. For these reasons, a cursory inspection and a washing of the vegetables before use is advised. As an additional precaution against infestation, Star-K is working with AeroGrow to offer a mesh covering as an accessory to the kit. One may improvise and fashion his



own insect barrier by covering the garden with mesh or a cloth.

In addition to romaine and other types of lettuce, one can grow herbs such as cilantro, dill, and parsley. Herbs are especially prone to infestation, are difficult to check, and are not widely available to the kosher consumer as 'certified insect-free'. The kit is helpful in controlling infestation for these varieties.

Hydroponically grown vegetables (lettuce, herbs, etc.) sold commercially vegetables without kosher certification should be thoroughly checked since they grow under conditions unknown to the consumer.

Shabbos/Yom Tov

Nurturing plants is one of the 39

melachos, prohibited categories of work on Shabbos and Yom Tov. Therefore, on those days the seeds may not be placed in their base, nor may nutrients or water be added.7 There are also restrictions on some *melachos* on Chol Hamoed. One should therefore ensure that the proper nutrients and water are added before the onset of Yom Tov so that there is no need to add them on Chol Hamoed

The vegetables may not be harvested on Shabbos or Yom Tov due to the prohibition of *kotzer*, reaping.⁸ On *Chol Hamoed*, they may be harvested for Chol Hamoed or Yom Tov use.

> Although the AeroGarden lights go on and off during Shabbos, this is permitted since the system is automated without further input.9

Israel

Due to the special status of *Eretz* Yisroel, generally vegetables grown there must have ma'asros, tithes, However, if the separated. AeroGarden kit is used to grow vegetables in Eretz Yisroel, ma'asros need not be separated from the This is because vegetables. hydroponically grown vegetables are free from the obligation to separate *ma'asros*.¹⁰ In addition, they may be grown during the Sabbatical year of Shmitta.¹¹

On a related note, if the seeds in the kits were to come from Eretz Yisroel, the seeds would not be subject to the laws of *ma'asros* or Shmitta. These seeds are not edible seeds, and the Mishnah in Ma'asros 5:8 states that non-edible seeds are not subject to ma'asros or Shmitta.12 In any event, Star-K has determined that the AeroGarden seeds are not from Eretz Yisroel.

Marror

Hydroponic romaine lettuce should not be used for *marror* at the *Pesach Seder*.¹³ The reasoning for this is as follows: It is unclear whether the brocha of Hamotzi relieves one of the obligation to recite a brocha on marror. Although *marror* is eaten during the meal, it is not a 'meal food' eaten to satisfy hunger

¹This would be around the time he destroyed the *Beis Hamikdash*. It is said that they were built to cheer up his wife - a native of a lush region full of vegetation, who found the dry Babylonian scenery dispiriting.

⁴There are opinions (Rav Shmuel Vozner Sheivet HaLevi 1:205, Rav Moshe Shternbuch

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Teshuvos V'hanhagos 2:149) that the proper brocha on hydroponic vegetables is Hoadama, as Hoadama is recited over any vegetable which normally grows from the ground. (Rav Shternbuch writes that Chaye Adam only referred to Hamotzi, which could not be recited on bread made from wheat grown in a flowerpot. However, this argument is difficult to support, as Chaye Adam refers specifically to Hoadama. Also see Nishmas Adam 152:1 where the *Chaye Adam* explicitly links the two *brochos*.) Yechaveh Da'as 6:12.

- A test of the system in the Star-K offices produced lettuce which was insect-free. Shulchan Aruch O.C. 336:11. See Minchas Chinuch 32 and Teshuvos Har Tzvi (Zeraim 2:31).
- ⁸ Shulchan Aruch O.C. 336:5, Shemiras Shabbos Kehilchasa 26:4, Machazeh Eliyahu 31.
- ⁹Even Rav Moshe Feinstein (Igros Moshe OC 4:60), who disapproved of 'Shabbos clocks', still permitted their use for lighting.

² In 1982, Dr. Hillel Sofer, senior researcher at the Volcani Institute at Ein Gedi, developed the aero-hydroponic method, which increases oxygen to the plant roots by suspending the roots in air. The AeroGarden uses this methodology. ³Rav Ovadia Yosef (Yechaveh Da'as 6:12), Rav Chanoch Zundel Grossberg, (Siddur Minchas

Yerushalayim p. 334), Rav Eliyahu Falk (Machazeh Eliyahu siman 28). All cite the Chaye Adam 51:17, who discusses vegetables grown in soil in a flowerpot (sh'aino na'kuv, without holes on the bottom). Chaye Adam rules that the brocha is Shehakol, since it is not nourished by the soil in the ground. Although some disagree with the Chaye Adam on that point, his ruling provides strong support for reciting Shehakol on vegetables grown in water, which is even further distinguished from earth grown vegetables

Hydroponics m///Halacha

HOW DOES YOUR KOSHER GARDEN GROW?

by Margie Pensak

and may still require its own *brocha*. To circumvent this issue, the *halacha* states that *Hoadama* on the *karpas* is recited while having in mind to exempt the *marror*.¹⁴ However, the *brocha* on hydroponic lettuce is *Shehakol*; thus, the *Hoadama* on *karpas* would not be applicable to the lettuce. This would place one in the questionable position of saying *Shehakol* on the lettuce. To avoid this dilemma, hydroponic lettuce should not be used for *marror*.¹⁵

Nutrient Tablets

Star-K has determined that the nutrient tablets used in the AeroGarden system pose no kosher issues. Nevertheless, even if the nutrient tablets would be non-kosher, the plants would still be kosher. Normally, items that have a non-kosher source of nutrition are, themselves, considered non-kosher. However, the rule of *zeh v'zeh gorem* states that if the nutrition is comprised of kosher and non-kosher components, the resulting animal or plant is kosher.¹⁶ In any garden, including the AeroGarden, the water is kosher so the kosher status of the nutrients has no effect.

From early history to modern times, hydroponics has offered an alternative to earthgrown produce. It is yet another way to appreciate the bountiful world *Hashem* has bestowed upon us.¹⁷

- ¹⁰ Rav Yechiel Michel Tuchetzinski (Zeriah 3:4) and others cited in Mishpatei Aretz (Terumos 1:19). Teshuvos Har Tzvi (Zeraim 2:31), however, requires ma'asros. See also discussion in Derech Emunah (Terumos chap. 2, Beiur Halacha s.v. Ochel).
- ¹¹ Yechaveh Da'as (6:12) citing Rav Yechiel Michel Tuchetzinski (Sefer Ha'Shmitta vol 2:pg 104), Sefer Nechpeh B'kesef (Y.D. 1:5) cited by Minchas Shlomo (vol 3, 158:8), Rav Binyamin Zilber (Az Nidbiru 4:51). Rav Zilber emphasizes that his ruling applies only in cases where the plant is not in any earth or even chemical fertilizer. The Chazon Ish is also quoted as having permitted hydroponics during Shmitta. Maharil Diskin, cited by Minchas Shlomo, forbids all hydroponics during Shmitta, as does Har Tzvi (Zeraim 2:31).
- ¹² The *Rambam* (*Peirush Ha'mishnayos*) writes, based on the *Mishnah*, that even if the seeds come from vegetables which themselves have been set aside as *teruma*, the plants which grow from these non-edible seeds are not *teruma*. We do not apply the rule of gidulei teruma teruma. See also *Rashash*.
- ¹³ Also see Pesachim 39a, ma matza gidulei karka af marror gidulei karka, implying that marror must be earth-grown. However, this may mean only that marror must be a type of food which normally grows from the earth. See Mikraei Kodesh Pesach 2:12.
 ¹⁴ Mishnah Brura 473:55, Aruch Hashulchan 473:18.
- ¹⁵ Although horseradish may warrant a *brocha* of *Shehakol* when eaten raw, yet it is used for *marror*, on *Pesach* night its *brocha* is likely *Hoadama* since it is eaten to fulfill the *halachic* requirement (see *Beiur Halacha* 575:2). However, the *brocha* on hydroponic lettuce remains *Shehakol*, even on *Pesach* night.
- ¹⁶ Shulchan Aruch Y.D. 142:11. See also Shach Y.D. 60:1 quoting Tosafos (Avodah Zara 49a) regarding plants grown on issur achilah.
- ¹⁷ There are other *halachic* areas where it is relevant to discuss whether hydroponics is *gidulei karka* leaving *peah; tochen* and *imur* on *Shabbos;* buying food with *ma'aser sheni* money; a *poel* eating from produce; and *s'chach*. We plan to cover these issues in the future.

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The bug stops here, in the privacy of your own kitchen, thanks to **The AeroGarden**, certified by Star-K Certification. Kosher consumers, with green and brown thumbs alike, can now farm their own vegetables and herbs year-round on their kitchen counter. Providing a controlled growing environment, The AeroGarden allows you to control insect infestation of leafy greens and herbs. Placing crop production into the hands of the everyday kosher consumer is a major boon.

The AeroGrow International, Inc. product, created by entrepreneur Michael Bissonnette, is a revolutionary kitchen garden appliance. Using NASA-tested aeroponic technology, it grows harvests of organic-based 100% natural garden fresh lettuce, tomatoes and herbs, faster and more reliably than other methods--without soil, weeds, or mess.

The indoor electric garden suspends the plants' roots in moist air and frequently bathes them with nutrient-enriched water, allowing them to mature faster than those grown in soil. Its equipment features sun-spectrum lights and an automated nutrient and water delivery system. After simply dropping the seed containers into the base and adding water and time-release nutrient tablets, the "smart" garden takes over. The grow lights and nutrient delivery are automatically adjusted according to the crop. Since no natural sunlight is needed, the plants can be grown wherever there is electricity.

The AeroGarden crops require minimal tending--minutes a month. Since the plants grow in an indoor environment, they thrive year-round. They can be left unattended for up to two weeks, depending on the type of plants and their maturity, a plus for the Sabbath/Yom Tov observant and vacationers, alike.

Presently, the seed kit varieties include: salad greens (a proprietary mix of seven types of lettuce), herbs (cilantro, chives, Italian basil, Red Rubin basil, dill, mint, and parsley), basil (including a mix of international varieties), as well as cherry tomatoes, chili peppers, and petunias. The company hopes to add strawberries, as well as other herb offerings and flowers in the near future.

Telephone 1-800-GROW NOW, or visit www.aerogrow.com, to learn more and order this unique Star-K certified growing system.







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processed wheat and oats (e.g., flour and water that is baked) is *Mezonos*. The question the *poskim* address is-- at what point are the wheat and oats considered processed enough to recite a *Mezonos*?⁵

To understand this, it is important to know the following: Wheat has four parts the endosperm, husk, bran, and germ. Endosperm makes up the majority of the kernel and is the primary source of flour, bread, and cake. The husk, wheat's outer shell, comes off easily by threshing. The husk, which is always removed, has no nutritional value and is not used for human consumption, domestically. The remaining kernel (with endosperm, germ and bran) is called "whole wheat."

If the whole wheat is puffed, the *brocha* remains *Hoadama*. An example of this is Kashi 7 Whole Grain Puffs.⁶ This is a unique cereal which includes *chameishes minei dagan* with all the bran remaining on the kernels, whose grains are puffed. Similarly, Go Lean is made up of Kashi puffed grains⁷; hence, the *brocha* is *Hoadama*.⁸

The process for most other puffed wheat is to first remove bran from the kernel through a process known as pearling. In this process, some endosperm may also incidentally be removed. The kernel is then placed into a pressurized heated chamber and steamed. The moisture rushes out of the kernel, thereby "popping" it.

There are different opinions as to which *brocha* is recited. Some opinions say this is processed enough to become *Mezonos*. This *psak* is based on the *Mishnah Brura* which says one can recite a *Mezonos* on pearled barley,⁹ a product that is similar to puffed wheat.¹⁰ Others are of the opinion that regular puffed wheat is not processed

enough, and the *brocha* is *Hoadama*. In order to be *Mezonos*, the product must be a "*ma'aseh kedeira*", similar to a bowl of oatmeal in which the grains stick together. In puffed wheat this does not occur, so the *brocha* is *Hoadama*.¹¹

L'halacha, puffed wheat should ideally be eaten in the middle of a bread meal. Otherwise, Rav Moshe Feinstein, *zt*"l,¹² says one can recite either a *Mezonos* or *Hoadama*. Rav Moshe also says the *brocha* achrona on puffed wheat is *Borei Nefashos*.¹³ This *halacha* applies also to Kellogg's Honey Smacks and Post Golden Crisp.¹⁴

Wheat germ is the "embryo" of the kernel. It is heated to deactivate enzymes which would allow sprouting. It is generally eaten with other foods and would usually be *tofel*, secondary to the other ingredients in the product. If one eats wheat germ by itself the *brocha* is *Hoadama*, since the heating is only applied to deactivate the enzymes, not to cook the germ.¹⁵ It is not processed enough to become *Mezonos* and the *brocha* remains *Hoadama*.

The *brocha* on bran is *Shehakol*.¹⁶ Therefore, the *brocha* on Kellogg's All Bran cereal is *Shehakol*,¹⁷ and the *brocha achrona* is *Borei Nefashos*.

II. Non-Chameishes Minei Dagan Cereals

The *brocha* on produce that grows from the ground is *Borei P'ri Hoadama*. For example, the *brocha* on corn and potatoes is *Hoadama*. However, if the produce is ground into flour (i.e. it is no longer recognizable), and is not from the five special types of grain, the *brocha* becomes *Shehakol*. Therefore, the *brocha* on corn chips (made from corn flour) and cake made from potato starch is *Shehakol*.¹⁸ The *brocha achrona* on all non-*chameishes minei dagan* products is *Borei Nefashos*.

Rav Moshe Feinstein, *zt'l*, explains¹⁹ if the grain has not been ground down to flour, but only popped (e.g., popcorn, or the grit is rolled into corn flakes), it retains its *Hoadama* status. Kellogg's Corn Flakes and Frosted Flakes are made from recognizable corn pieces that are not ground into flour, so the *brocha* is *Hoadama*. Corn Chex is also made from recognizable corn pieces.²⁰ However, General Mills Country Corn Flakes is made from corn flour; therefore, its *brocha* is *Shehakol*.

Some companies and private label manufacturers produce corn flakes from small pieces of corn known as "grits", others use corn flour extruded into corn pellets. If the cereal lists corn flour, the product has been ground and the brocha is Shehakol (if wheat and oat flour are not present). If the cereal lists corn or milled corn, it may be a whole grain product and the brocha is Hoadama, or it may be ground corn and the brocha is Shehakol.²¹ When one is in doubt and cannot determine which type of corn

¹ Oats and wheat are the most commonly used *chameishes minei dagan* grains in cereals. ² For a full discussion and understanding of *pas haba'ah b'kisnin*, see Kashrus Kurrents

- ³ For a full discussion and understanding of *pas haba* ab *b kismin*, see Kashrus Kurrents Spring 2005.
- ⁴ Shulchan Aruch OC 208:4. The Shulchan Aruch says such products should ideally be eaten
- during a bread meal, since there is a *safek* (doubt) as to which *brocha achrona* is recited. *Emaaseh*, if one eats the grain, the *brocha achrona* is *Borei Nefashos*.
- ⁵ See Shulchan Aruch and Mishnah Brura OC 208:2 and 208:4 for a full explanation of this issue.
- ⁶ This is a cereal manufactured by Kashi Co. and should not be confused with "kasha" (buckwheat). The *brocha* on kasha is *Hoadama* because it is not from the *chameishes minei dagan*.
- ⁷ See Footnote 23.
- $^{\rm 8}$ Ideally, they should only be eaten during a meal (see above Footnote 4).
- ⁹ Mishnah Brura 208:15.
- ¹⁰ Based on *Sefer Mkor Habracha* 54. Additionally, Rav Heinemann explains the following *svara*: This product is now a "*ma'aseh kedeira*" because it has been processed into a form that is normally eaten. According to this *svara*, the *brocha rishona* is *Mezonos* and the *brocha achrona* is *Al Hamichya*.
- ¹¹ Sefer V'zos Habrocha Chap. 12 as further explained in his Birur Halacha Siman 27:4 in the name of Harav Shlomo Zalman Auerbach, *zt°l*. Since these grains are simply popped and do not stick together, the brocha is Hoadama. The brocha achrona is a safek and, therefore, the product should l'chatchila be eaten during a bread meal. If it is not eaten during a bread meal, the brocha achrona is Borei Nefashos.

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¹² Igros Moshe OC 4:45.

- ¹³ There is a *svara* to say that the *brocha achrona* is *Al Hamichya* (see Footnote 10).
- ¹⁴ It should be noted that some brands of granola cereals have similar *halachic* issues. Like puffed wheat, they are *chameishes minei dagan* products that are "partially processed" (i.e. heated but not broken down into flour). The same issues as to whether they have been processed enough to become *Mezonos* apply. One would have to determine the exact process of each brand to determine which *brocha rishona* and *achrona* are recited. Kellogg's Lowfat Granola cereal (with and without raisins) has a similar *halachic* status as puffed wheat. Therefore, a *Hoadama* or *Mezonos* may be recited and the *brocha achrona* is *Borei Nefashos*. However, General Mills Nature Valley Granola Bars and Quaker Granola Bars are processed enough to make their *brocha rishona* a *Mezonos* and *brocha achrona* Al Hamichya.
- ¹⁵ See Igros Moshe OC 4:46.
- ¹⁶ Igros Moshe EH 1:114. The "klipos" of the chameishes minei dagan refer to bran.
- ¹⁷ This product also contains a type of bran which contains endosperm. Nonetheless, the endosperm is *tafel* to the bran. However, Raisin Bran cereal consists of higher amounts of endosperm mixed with the bran product; hence, the *brocha* is *Mezonos*. This will be addressed in the *lkkur VTofel* section.
- ¹⁸ The same is true of Pringles Potato Crisps, since they are produced from ground up potatoes that are no longer recognizable.
- ¹⁹ Choveres Torah V'horaah 5733.
- ²⁰ Although the label states "corn meal" on Corn Chex, nonetheless, the *brocha* is *Hoadama* because it is produced from small pieces (still recognizable as corn) and not flour, in a way similar to the case discussed in *Mishnah Brura* 208:38 and Sha'ar Hatzion 208:42.

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ingredient is used, a Shehakol should be recited.

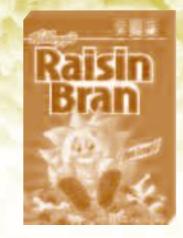
Kellogg's Corn Pops is manufactured differently in various facilities worldwide. In the United States, the corn is not ground into flour and corn pieces are used; therefore, the *brocha* is *Hoadama*. In Canada, the corn is first ground into flour, and the *brocha* is *Shehakol*.

Rice is unique, as its *brocha* is *Mezonos* and its *brocha achrona* is *Borei Nefashos.*²² This includes processed rice products, such as Kellogg's Rice Krispies and Post Fruity Pebbles. It also includes products manufactured from rice flour.

III. Ikkur V'Tofel—Mixtures of Primary and Secondary Ingredients

In general, when there is a mixture of foods with different *brochos*, one determines the main purpose for eating this food and recites the *brocha* of that ingredient. This ingredient is known as the *ikkur*. For example, if one eats a fruit salad with 60% apples and 40% watermelon mixed together, only a *Ho'etz* is recited. The watermelon is *tafel* (secondary) to the *Ho'etz* (the *ikkur*) and, therefore, *Hoadama* is not recited.

Similarly, if the main ingredient of a cereal is oat or wheat flour the brocha is Mezonos, and the other ingredients are tafel. Chameishes minei dagan have a special status: Even if a nonchameishes minei dagan ingredient (e.g., corn flour) is the first ingredient and chameishes minei dagan (e.g., oat flour) is a "secondary" ingredient, under certain conditions, the chameishes minei dagan is still considered the ikkur and the brocha is Mezonos. This is true even though the chameishes minei dagan is not the ingredient with the highest percentage. The guidelines are as follows: If the chameishes minei dagan Mezonos ingredient is added l'taam, as an integral part of the cereal or for its own flavor, even though it is second or third in ingredient amount, the brocha is Mezonos.23 An example of this is Kellogg's Apple Jacks.



Similarly, the *brocha* on Raisin Bran cereal is *Mezonos*, as the endosperm in the flakes is the *ikkur* ingredient. However, if the *chameishes minei dagan* is only *l'davek* — a binding agent for texture or consistency or a flavoring component to enhance the primary corn ingredient only, the *brocha* is *Shehakol*. An example of this is Quaker Cap'n Crunch cereal.

This *halacha* is very relevant to cereals, as several list corn flour as a first ingredient and *chameishes minei dagan*, such as oat flour, wheat flour, or wheat gluten (the protein portion in wheat) as a second or third ingredient. Unfortunately, there is no way to tell if it is added *l'taam* or *l'davek* from the label.²⁴ When there is doubt as to whether the oat flour listed as a secondary ingredient is *l'taam* or *l'davek*, and there is no way of determining this, one should recite a *Shehakol* and *Borei Nefashos*.²⁵

Kellogg's Crispix is half rice and half corn. Since it has no *ikkur* or *tofel* and no *chameishes minei dagan* component, two *brochos* are required. A *Mezonos* is recited and one eats from the darker rice side, then a *Hoadama* is recited on the lighter corn side and the cereal is eaten. The *brocha achrona* is *Borei Nefashos*.

Under normal circumstances, when eating cereal with milk, the cereal is the *ikkur* and the milk is the *tafel*; therefore, only one *brocha* is recited. This is true even if one finishes the cereal and there is a little leftover milk eaten alone, no *brocha* is recited on the milk.²⁶ The same *halacha* applies when one eats cereal with raisins, bananas or strawberries. Under normal circumstances, a *brocha* is recited only on the cereal, not the fruit, since they are *tafel*.²⁷

IV. Brocha Achrona

If a Shehakol or Hoadama is recited on a cereal, the brocha achrona is Borei Nefashos. If a Mezonos is recited, the brocha achrona is Al Hamichya (except for rice cereals, where the brocha achrona is Borei Nefashos). To recite any brocha achrona, one must eat a k'zayis (1.27 fl. oz, 38 ml, the approximate volume of a golf ball) of cereal in the amount of time known as k'dei achilas pras – ideally within two minutes.²⁸

One may calculate the entire amount of cereal eaten in deciding the *brocha achrona*. If one eats a *k'zayis* of a *chameishes minei dagan Mezonos* cereal, the *brocha achrona* is *Al Hamichya*²⁹ even though the actual wheat or oat content consumed may be less than a *k'zayis*.³⁰ This is true only if the various ingredients are mixed and baked into a single entity.³¹ However, if a *chameishes minei dagan* cereal contains pieces upon which a *Mezonos* is recited and pieces upon which a different *brocha* is recited (when eaten without the *chameishes minei dagan*), one must eat a *k'zayis* of the *Mezonos* pieces to recite an *Al Hamichya*.³²

V. Research

It is obvious that for many cereals it is impossible to know the correct *brocha* without first determining more information than is available on the box. In developing the Star-K Brochos List, we had to obtain answers to numerous detailed questions regarding the formulation and process of the ingredients and products. Follow up questions and on-site reviews were sometimes necessary. In a few cases, we discovered formula revisions or additional information that caused changes in the *brocha* of particular cereals.³³ Undoubtedly, as companies continue to re-formulate cereals for better taste and more nutrition, one should not be surprised to find out that the brocha on one's favorite cereal has changed.

In the *z'chus* of beginning the day with reciting the correct *brochos*, may *Klal Yisroel* be *zoche* to an abundance of much *brocha v'hatzlacha*.



 21 This is true if it does not contain additional wheat or oat ingredients – this will be addressed in the next section.

²² Shulchan Aruch OC 208:7.

- ²³ Sefer Pischei Halacha Hilchos Brochos Chap. 7 Footnote 32 states that according to the Mishnah Brura 208:7, chameishes minei dagan which is Hoadama (e.g.,that was puffed without removing the bran) is also considered an *ikkur* even if it is not the first ingredient listed (as long as it is added *l'taam*). This is relevant to Kashi Go Lean and Good Friends cereals, upon which a Hoadama is recited. For a discussion of this topic, see the entire footnote in Sefer Pischei Halacha.
- ²⁴ If wheat starch is added, it is definitely *l'davek* and the *brocha* is *Shehakol*.
- ²⁵ For a full discussion of this topic, including other cases of eating cereal with milk, see *Igros Moshe OC* 1:43 and *Sefer Pischei Halacha Hilchos Brochos* 7:38.
- ²⁶ See Sefer Pischei Halacha Chapter 7, Se'if 38 and Footnote 62 for a full discussion of different cases involving fruit added to a cereal.
- ²⁷ Licorice contains wheat flour added *l'davek* and, therefore. is *Shehakol* (unless the flour is listed as the first ingredient).
- ²⁸ B'dieved, if one eats a k'zayis within four minutes, a brocha achrona may be recited. For a full discussion of this topic, see Kashrus Kurrents Summer 2005.

Leadership in

²⁹ Regarding the *brocha achrona* on puffed wheat products, see above Section I.

- ³⁰ The Mishnah Brura 208:48 says this is the "minhag ha'olam." See also Igros Moshe OC 1:71.
 ³¹ For example, if one ate exactly a k'zayis of Cheerios, the "minhag ha'olam" is to recite an Al Hamichya because the oat flour, corn starch and sugar are all combined into each of the Cheerios. Similarly, one could recite an Al Hamichya when eating a k'zayis of Apple Jacks because the additional ingredients (e.g., sugar and corn flour) are baked into a single entity with the oat and wheat flour (i.e. with the chameishes minei dagan ingredients, which are considered the ikkur).
- ³² For example, if one ate exactly a *k*'zayis of Post Cranberry Almond Crunch, one recites a *Mezonos* but can not recite an *Al Hamichya* afterwards. Since the *Mezonos* pieces do not add up to a *k*'zayis, and the cranberries and almonds are not *mitztaref* to the wheat flakes, a *Borei Nefashos* is recited (see *Mishnah Brura* 210:1). If one ate exactly a *k*'zayis of Raisin Bran (i.e. *chameishes minei dagan* flakes and *shivas haminim* raisins), there is a question amongst the *poskim* whether a *Borei Nefashos* or *may'ain shalosh* is recited. For an explanation of this *halacha*, see *Piskei Teshuvos* 210:6. Of course, if one ate a *k'zayis* of *Mezonos* pieces of Post Cranberry Almond Crunch or Raisin Bran, an *Al Hamichya* is recited.
- ³³ Please note the following cereals fall into this category: Honeycomb, French Toast Crunch, Crunchy Corn Bran, Honey Smacks, Golden Crisp, and Kellogs Lowfat Granola cereal. Please see the current Star-K list for the correct *brochos* for these cereals.

New Under Star-K Kosher Certification

Consumer Products

(only when bearing Star-K symbol)

AEROGROW INTERNATIONAL, INC. Boulder, CO GARDENING KITS

AGRICULTURAL DEVELOPMENT SERVICE, LLC Flba, NY FRESH VEGETABLES

AMERICAN BOUNTY FOODS Hawthorne, CA CANNED VEGETABLES

BOZZUTOS Cheshire, CT FRESH PACKAGED SALADS

CEDAR'S MEDITERRANEAN FOODS, INC. Ward Hill, MA SPRFADS

CHAIN DRUG CONSORTIUM, LLC Pittsburgh, PA PHARMACEUTICAL, DRUG & PERSONAL CARE PRODUCTS

FROSTY'S SHAVED ICE, LLC Pikesville, MD ICES STAND

GARDEN SPOT DISTRIBUTORS New Holland, PA PRETZELS

GOLDEN APPLES CANDY CO., INC. Ronkonkoma, NY **CANDY & CONFECTIONERY ITEMS**

GOLDEN SEA, INC. Downey, CA CANNED FRUIT

IMAGINATION FARMS Whitefish Bay, WI FRESH PACKAGED FRUIT

LAW COFFEE Newark, NJ COFFEES

LIMSON TRADING Darien, CT **CANNED FRUIT & VEGETABLES**

LUCKY COUNTRY, INC. Lincolnton, NC **CANDY & CONFECTIONERY ITEMS**

MELALEUCA SHANGHAI WELLNESS PRODUCTS CO., LTD. Shanghai, CHINA **DETERGENTS & CLEANSERS**

OCEANSIDE KNISH FACTORY Oceanside, NY BAKERY, PREPARED FOOD

REGAL FOOD INGREDIENTS Orland Park, IL FOOD COLORS

SAMECO CORPORATION Hallandale, FL JUICE & JUICE CONCENTRATES; SAUCES

SYMPATEA Istanbul, TURKEY SPOON TEA

WUYI ZHEN WEI BIOLOGICAL SCIENCE & TECHNOLOGY CO., LTD. Zheijang, China VITAMINS, SUPPLEMENTS & NI ITRITIONAL S

Industrial/Institutional Products

(only when bearing Star-K symbol)

BAODING TIANCHENG HENGTONG IMPORT & EXPORT TRADING CO., LTD. Hebei, CHINA FROZEN FRUIT & VEGETABLES

BRENNTAG CANADA, INC. Langley, BC SWEETENERS

CHANGZHOU WUJIN FINE CHEMICAL FACTORY CO., LTD. Jiangsu, CHINA ACIDS & ACIDULANTS

FRANK DONIO INC. Hammonton, NJ FROZEN FRUIT

GEHRING-MONTGOMERY, INC. Warminster, PA PHOSPHATES

GOLDEN SEA, INC. Downey, CA **CANNED FRUIT**

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GUJARAT ORGANICS LTD. Mumbai, INDIA **INDUSTRIAL CHEMICALS**

HEBEI DONGHUA JIAN CO., LTD. Hebei, CHINA AMINO ACIDS

HUNAN POINTER FOODS CO., LTD. Yonazhou, CHINA **CANNED FRUIT & VEGETABLES**

HUZHOU WEIYAN DRINK & FOOD CO., LTD. Zhejiang, CHINA JUICE & JUICE CONCENTRATES

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LEIZHOU EAT STRONG FOOD CO., LTD. Guangdon, CHINA **CANNED FRUIT**

LIMSON TRADING Darien, CT **CANNED FRUIT & VEGETABLES**

MOTHER DAIRY FOODS PROCESSING LTD., BANGALORE Bangalore, INDIA JUICE & JUICE CONCENTRATES

NINGHAI ORGANIC CHEMICAL Zheijang, CHINA FOOD CHEMICALS

SENTREX INGREDIENTS, LLC Linden, NJ FLAVORS & EXTRACTS

SHANGHAI GREAT NATIONAL INTERNATIONAL TRADE CO., LTD. Shanghai, CHINA FLAVOR CHEMICALS

SHANGHAI GREEN POWER INC. Shanghai, CHINA HERBAL EXTRACTS; VITAMINS, SUPPLEMENTS & NUTRITIONALS

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SUPHERB FARMS Turlock, CA FRESH VEGETABLES

TAIZHOU DAPENG PHARMACEUTICAL INDUSTRY CO., LTD. Zhejiang, CHINA **NUCLEOTIDES**

VIVITA LTD. Mumbai, INDIA JUICE & JUICE CONCENTRATES

WUHAN WAKING LION CHEMICALS CO., LTD. Hebei, CHINA PHOSPHATES

WUXI UNICHEM MATERIAL **TECHNOLOGY CO., LTD.** Jiangsu, CHINA ACIDS & ACIDULANTS

ZANTYE CASHEW INDUSTRIES Goa, INDIA NUTS & SEEDS

Establishments

(see letter of certification)

FOREMOST CATERERS AT HERITAGE CAFE 36 Battery Place, New York, NY MEAT RESTAURANT/TAKE-OUT

SIMPLY SUSHI LLC 343 East Broadway, Monticello, NY DAIRY RESTAURANT/TAKE-OUT

Kashrus Education

New Under Star-D

(only when bearing Star-D symbol)



National Council of Young Israel (NCYI). The Star-K, in its relationship RIDAIRY with the NCYI, administers the kashrus of the Star-D. All Star-D products are dairy - cholov

stam (non-cholov Yisroel) **DWS INC., DBA SELECTION UNLIMITED** South Burlington, VT

FLAVORS & EXTRACTS

OCEANSIDE KNISH FACTORY Oceanside, NY **BAKERY, PREPARED FOODS**

PT BUMI SARIMAS INDONESIA West Sumatra, INDONESIA COCONUT PRODUCTS

SHERYL'S CHOCOLATE CREATIONS Great Neck, NY CHOCOLATE PRODUCTS

RITA'S ITALIAN ICES Valley Village Shopping Center - Pikesville, MD ICE CREAM & ICES STAND

THE LOLLIPOP TREE, INC. Portsmouth, NH COOKIE MIXES

Goecial Events

KOSHER SPORTS KIOSK & STAND 392 Broadband Avenue, Englewood, NJ

The following locations are certified Kosher, **ONLY when the Star-K sign is posted**. All meats are Glatt Kosher. All bread products are Pas Yisroel.

ARTHUR ASHE STADIUM AT US TENNIS OPEN Flushing, NY Promenade Level, outside Section 334

KEYSPAN PARK Brooklyn, NY Directly Behind Home Plate

LINCOLN FINANCIAL FIELD Philadelphia, PA Main Concourse, Section 116

M&T BANK STADIUM

Baltimore, MD Lower Level in Section 123 NATIONAL TENNIS CENTER Flushing, NY

In the Food Court adjacent to Court 12 **ORIOLE PARK AT CAMDEN YARDS**

Baltimore, MD Field Level, Section 83

RFK STADIUM Washington, DC Behind Third Base, Section 220

SHEA STADIUM Flushing, NY Lodge level (Blue), Section 13 Food Cart

SHEA STADIUM Flushing, NY Field Level, Right field food court

SHEA STADIUM Flushing, NY Mezzanine level (Green), Section 14 Food Cart

Leadership in

🔆 STAR-K LIST OF POPULAR CEREALS & THEIR BROCHOS 5767/2006-07 CEREAL NAME CEREAL NAME STATUS **BROCHA BROCHA ACHRONA STATUS** BROCHA **BROCHA ACHRONA** GENERAL KEMACH when bear MIL LS when bearing (Al Hamichya **Basic 4** Mezonos **Bran Flakes** Dairy Pareve Mezonos Al Hamichya Cheerios Pareve Mezonos Al Hamichya **Bunch -O- Krunch** Pareve Mezonos Al Hamichya Shehakol **Cheerios - Fruity** Borai Nefashos **Choco Chippers** Pareve Shehakol Borai Nefashos Pareve **Cheerios - Yogurt Burst** Dairy Mezonos Al Hamichya **Cocoa Munchees** Pareve Shehakol Borai Nefashos Borai Nefashos **Cinnamon Toast Crunch, All** Mezonos Al Hamichya **Corn Flakes** Pareve Shehakol Dairy Shehakol Borai Nefashos Borai Nefashos **Cocoa Puffs** Pareve **Crisp Rice** Pareve Shehakol Shehakol Borai Nefashos **Fruit Whirls** Borai Nefashos **Cookie Crisp** Pareve Pareve Mezonos Pareve Hoadama Borai Nefashos **Honey Nut Toasted Oats** Pareve Mezonos Al Hamichva **Corn Chex Country Corn Flakes** Shehakol Borai Nefashos Al Hamichya Dairy **Raisin Bran** Pareve Mezonos Al Hamichya **French Toast Crunch** Dairy Mezonos Al Hamichya **Sugar Frosted Flakes** Pareve Mezonos Mezonos Borai Nefashos **Sugar Puffed Wheat** Shehakol Borai Nefashos **Frosted Chex** Pareve Pareve **Toasted Oats** Dairy Mezonos Al Hamichya Pareve Hoadama Borai Nefashos **Golden Grahams** Mezonos Borai Nefashos Whole Wheat Flakes Pareve Mezonos Al Hamichya **Honey Nut Chex Cereal** Pareve MALT-O-MEAL **Honey Nut Clusters** Dairy Mezonos Al Hamichya nrina K **Kix (Original, Berry Berry)** Pareve Shehakol Borai Nefashos **Apple Zings** Pareve Mezonos Al Hamichya Shehakol Borai Nefashos Al Hamichya **MultiBran Chex** Pareve **Blueberry Muffin Tops** Dairy Mezonos Mezonos Al Hamichya Mezonos Borai Nefashos **Oatmeal Crisp, All** Dairy **Crispy Rice** Pareve **Raisin Nut Bran** Mezonos Al Hamichya **Dyno-Bites (Cocoa, Fruity)** Mezonos Borai Nefashos Dairy Pareve **Reese's Puffs** Pareve Shehakol Borai Nefashos **Puffed Rice** Pareve Mezonos Borai Nefashos Al Hamichya Borai Nefashos Pareve **Rice Chex** Pareve Mezonos **Raisin Bran** Mezonos Total Dairy Mezonos Al Hamichya **Scooters** Pareve Mezonos Al Hamichya **Total Raisin Bran** Mezonos Al Hamichya Toasty O's (All) Al Hamichya Dairy Pareve Mezonos Pareve Shehakol Borai Nefashos **Tootie Fruities** Pareve Mezonos Al Hamichya Trix Wheat Chex Pareve Mezonos Al Hamichya POST Al Hamichya Al Hamichya Wheaties Dairy Mezonos **Alpha Bits** Dairy Equip. Mezonos KASHI when bearin **Banana Nut Crunch** Dairy Mezonos Al Hamichya Borai Nefashos 7 Whole Grain Puffs Pareve Hoadama **Bran Flakes** Pareve Mezonos Al Hamichya Pareve Hoadama Borai Nefashos **Cocoa Pebbles** Pareve Mezonos Borai Nefashos Go Lean Borai Nefashos Al Hamichya **Good Friends** Pareve Hoadama **Cranberry Almond Crunch** Dairy Mezonos Pareve Mezonos Al Hamichya **Fruit and Bran** Mezonos Al Hamichya Heart to Heart Honey Toasted Oat Dairy Pareve Mezonos Al Hamichya **Fruity Pebbles** Pareve Mezonos Borai Nefashos **Mighty Bites** (Cinnamon, Honey Crunch) Mezonos or Borai Nefashos** **Golden Crisp** Dairy Hoadama* Equipment **KELLOGG'S** when bearing *I* Shehakol Borai Nefashos All Bran - Bran Buds Pareve **Grape Nuts** Pareve Mezonos Al Hamichya All Bran - Original Shehakol Borai Nefashos Al Hamichya Pareve **Honey Bunches of Oats** Dairy Mezonos (Almond, Banana, Honey Roasted, Peach) Pareve Mezonos Al Hamichya **Apple Jacks** Mezonos Borai Nefashos Honeycomb Shehakol Borai Nefashos **Cocoa Krispies** Pareve Dairy Equip. **Complete All Bran Oat Bran Flakes** Pareve Mezonos Al Hamichya **Raisin Bran** Pareve Mezonos Al Hamichya Pareve Mezonos Al Hamichya **Shredded Wheat** Mezonos Al Hamichya **Complete All Bran Wheat Bran Flakes** Pareve (Original, Spoon Size Borai Nefashos **Corn Flakes** Pareve Hoadama Corn Pops (U.S.) Pareve Hoadama Borai Nefashos **Toasties Corn Flakes** Pareve Hoadama Borai Nefashos QUAKER when bea Cracklin' Oat Bran Dairy Mezonos Al Hamichya Shehakol Borai Nefashos Pareve Mezonos and Borai Nefashos Cap 'N Crunch Dairy **Crispix - All** Hoadama* Borai Nefashos **Capn' Crunch Crunch Berries** Dairy Shehakol Pareve Mezonos Al Hamichya Pareve Shehakol Borai Nefashos **Froot Loops Capn' Crunch Peanut Butter Frosted Flakes** Pareve Hoadama Borai Nefashos **Cinnamon Life** Pareve Mezonos Al Hamichya Borai Nefashos** **Honey Smacks** Pareve Mezonos or **Crisp Rice** Pareve Mezonos Borai Nefashos Hoadama* **Crunchy Corn Bran** Pareve Shehakol Borai Nefashos **Just Right** Pareve Mezonos Al Hamichya Life (Original) Pareve Mezonos Al Hamichya Lowfat Granola Mezonos or Borai Nefashos** **Oatmeal Squares** Mezonos Al Hamichya Dairy Dairy with/without Raisins Hoadama** **Puffed Rice** Mezonos Borai Nefashos Pareve Mini Swirlz - Cinnamon Bun Dairy Mezonos Al Hamichya Recite Mezonos and eat the darker side (rice) first. Then recite Hoadama **Mueslix** Pareve Mezonos Al Hamichya and then eat the lighter side (corn). Al Hamichya **Product 19** Pareve Mezonos ** Based on Igros Moshe OC 4:45 - see article for full explanation Al Hamichya **Raisin Bran** Pareve Mezonos **Raisin Bran Crunch** Pareve Mezonos Al Hamichya For the halachos of brochos note: recited on breakfast cereals. Borai Nefashos **Rice Krispies** Pareve Mezonos it is recommended that one reads the accompanying Pareve Mezonos Al Hamichya **Smart Start** "for Breakfast" article. Due to possible future changes in formulations, Mezonos Al Hamichya Special K (Original) Dairy this list should only be used through 2007. Dairy Mezonos Al Hamichya **Toasted Honey Crunch** Check with Star-K for future updates.

Tony's Cinnamon Krunchers

Pareve

Mezonos

Borai Nefashos

Star-K's Third Annual KASHRUS TRAINING PROGRAM by Margie Pensak



Rabbi Chaim Moshe Levy, a *Mesivta rebbe* in Lakewood, New Jersey, knew it was coming, yet he still felt unprepared. In July, he received an overseas telephone call informing him that the time had come to take over the pulpit of his deceased father, Rabbi Daniel Levy, *zt*"l, as the Rav of I.R.G. (*Khal Adas Yeshurun*) in Zurich, Switzerland.

Rabbi Levy hoped to prepare himself for his new post by taking advantage of Star-K Certification's unique educational program later that month. "I wanted to get some basic information about what is going on in the world of *kashrus*," explained Rabbi Levy. "I also wanted to meet the various experts at Star-K, personally."

Rabbi Levy was pleased with his decision to attend the Star-K seminar in Baltimore, Maryland. "The seminar was extremely informative, and the information was given over in a very organized manner," said Rabbi Levy. "It was wonderful and covered all aspects of the kosher world, from production on. It is an intense program, but you can pick up a lot of knowledge as well as tip-offs such as how to manage mashgichim, companies that are not in compliance, other and practical tips.' Rabbi Levy was just one of 26 participants, which included rabbonim, kollel fellows, and others serving in klei kodesh who have studied Yorah Deah. The intensive seminar featured lectures by Star-K's rabbinic staff members, including Rabbinic Administrator Rabbi Moshe Heinemann and President Dr. Avrom Pollak. Rabbi Heinemann spoke of the intricacies of bishul akum in his shiur, "Bishul Akum and Ne'emanus of an Akum". Dr. Pollak discussed practical guidelines for setting up a local vaad hakashrus in his lecture, "A Certifying Agency's Administrative Issues", and gave advice for the decisions one faces. Sessions covered various segments of the kashrus industry, including consumer inquiries and Sabbath mode appliances. They

incorporated a Star-K produced audiovisual presentation of one of its *Cholov Yisroel* production facilities, as well as a hands-on practicum for vegetable checking. Field trips to a slaughterhouse, confectionery, restaurant, bakery, and the kosher kitchen of the Hyatt Regency rounded out the seminar experience.

Rabbi Zvi Goldberg, coordinator of the seminar and Star-K *Kashrus* Administrator, attributes the success of this program to a mutual *zerizus*. "The eagerness of the attendees to learn about *kashrus* was matched by the willingness of the Rabbis to give of their time and expertise. This is why the program is so successful."

lightboxes

A limited number of **LIGHTBOXES** for checking vegetables for insect infestation are available from the STAR-K. For details please call **410-484-4110**.

x

Star-K Kosher Certification

A non-profit agency representing the Kosher consumer in promoting Kashrus through Education, Research and Supervision.

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| of blessed memory, |
| through a grant from |
| Mrs. M. Leo Storch |
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